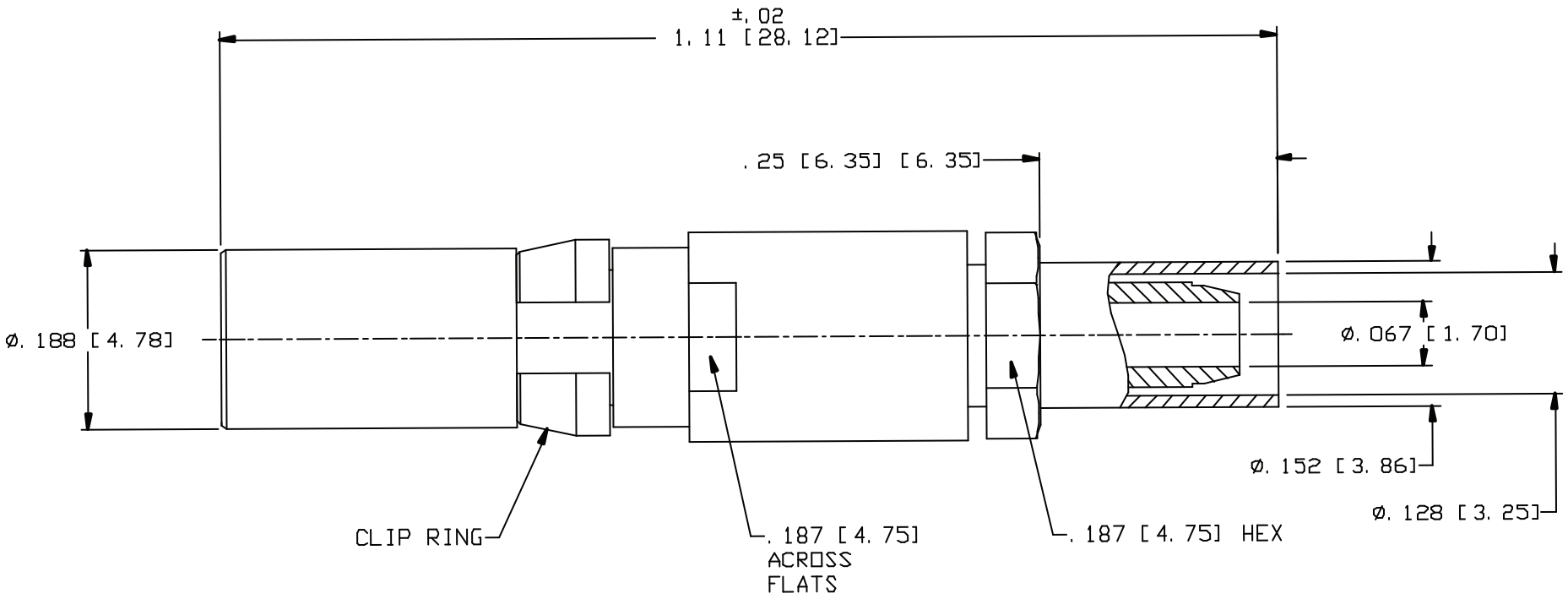
CAD DRAWING - NO MANUAL REVISIONS



Notes:
26-1080-0670B
1) Design and Interface per IDS 26.
2) Bullet, Crimp Nut, Ferrule & Spacer Supplied Loose.
3) Crimp Using .128 Hex Die (M22520/5-03).
4) Blindmate RF/Microwave Contact for Standard Density Multiport RF D-Subminiature Connectors.
5) Size 8 PkZ®, 50 Ohm, 32 GHz Straight Receptacle.
6) Crimp/Clamp to RG-174, RG-188, and RG-316 Cables.
7) .000030" Min. Gold Over Nickel.

REV.	DESCRIPTION	DATE	APPR.
S	PER ECN 10702	11/10/10	JEM
R	PER ECN 10294	04/20/10	JEM
Q	PER ECN 9706	12/10/08	JEM
P	PER ECN 9273	02/25/08	JEM
M	PER ECN 4445	03/27/98	HN

PALCO CONNECTOR
22 GREAT HILL RD., NAUGATUCK, CT 06770
UNLESS OTHERWISE SPECIFIED, PALCO WORKMANSHIP STANDARDS APPLY
TOLERANCES ON: DECIMALS: XX ±.01 .XXX ±.005 ANGLES ±1/2° 32
DIMENSIONS IN INCHES OR (METRIC) DO NOT SCALE PRINTS
CATALOG ITEM

DRAWN	CHECKED	ENGINEER	APPROVED	FSCM
YT	HN	YT	HN	58167

DESCRIPTION: PKZ RECEPTACLE CRIMP/CLAMP TYPE

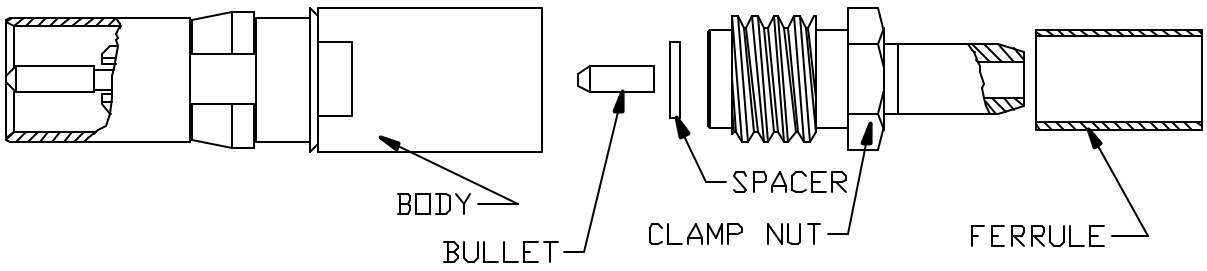
DATE	DRAWING NO.	PLATING OPT.
11/23/88	26-1080-0670	A, B

THE INFORMATION IN THIS DOCUMENT IS CONFIDENTIAL AND PROPRIETARY AND MAY NOT BE USED FOR ANY PURPOSE WITHOUT THE WRITTEN CONSENT OF PALCO.

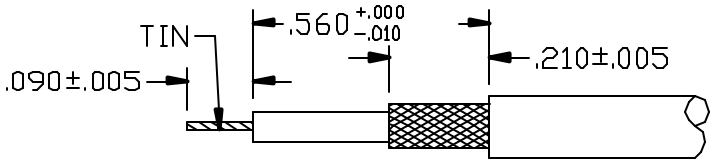
CABLE ASSEMBLY PROCEDURE	
P/N 26-1080-0670	
PAGE 1 OF 1	DATE: 02/14/96
DRAWN: MY	APPROVED: HN
FOR USE WITH M17/152-RG 316 CABLE	

PALCO CONNECTOR
22 GREAT HILL ROAD, NAUGATUCK, CT. 06770
PHONE: (203) 729-9090 FAX: (203) 723-1794

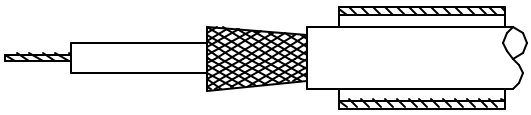
REV	DESCRIPTION	DATE	APPR
P	PER ECN 9273	2/25/08	JEM
Q	PER ECN 9706	12/10/08	JEM
R	PER ECN 10294	04/20/10	JEM
S	PER ECN 10702	11/10/10	JEM



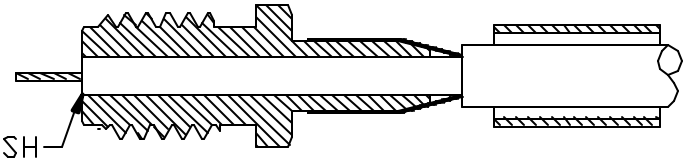
STEP 1
STRIP CABLE TO DIMENSIONS SHOWN. FLUX AND TIN CENTER CONDUCTOR. CLEAN.



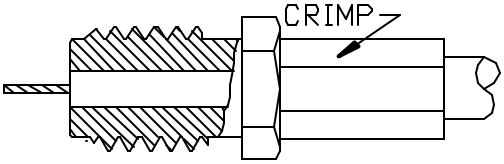
STEP 2
SLIDE FERRULE OVER CABLE. FLARE BRAID BY ROTATING DIELECTRIC.



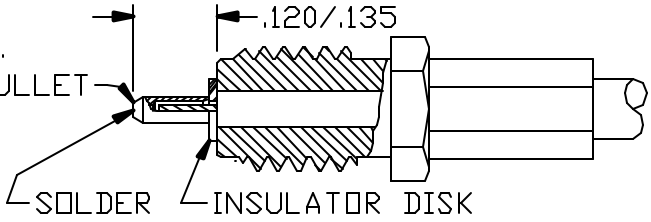
STEP 3
INSERT THE BARREL OF THE CRIMP NUT BETWEEN THE CABLE BRAID AND DIELECTRIC. POSITION SO THE END OF THE CABLE DIELECTRIC IS FLUSH WITH THE END OF CRIMP NUT.



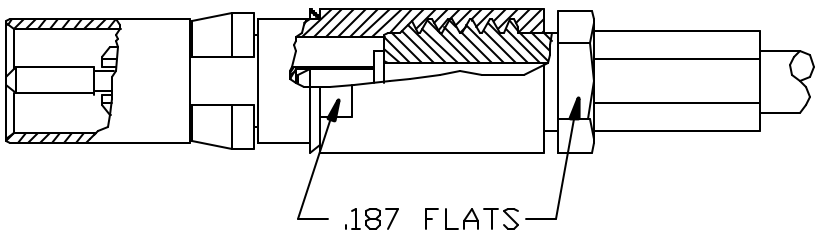
STEP 4
SLIDE FERRULE AGAINST SHOULDER AND CRIMP USING .128 HEX. DIE (M22520/5-03)



STEP 5
PLACE INSULATOR DISK AGAINST NUT SURFACE. SLIDE BULLET OVER CENTER CONDUCTOR. USING RESISTANCE SOLDERING TWEEZERS, APPLY HEAT TO BULLET TO REFLOW SOLDER. INSURE THAT BULLET IS BUTTED AGAINST THE DISK. CLEAN. INSPECT SOLDER JOINT.



STEP 6
THREAD CONNECTOR BODY ONTO CRIMP NUT ASSEMBLY. TIGHTEN TO 7- 10 IN-LBS.



INTERFACE DESIGN STANDARD	
IDS-26	
PAGE 1 OF 1	DATE: 02/28/94
DRAWN: JEM	APPROVED: HN

PALCO CONNECTOR
22 GREAT HILL ROAD, NAUGATUCK, CT. 06770
PHONE: (203) 729-9090 FAX: (203) 723-1794

REV	DESCRIPTION	DATE	APPR
D	PER ECN 6752	10/24/02	HN
E	PER ECN 7265	01/27/04	HN
F	PER ECN 9935	05/22/09	JEM
G	PER ECN 10145	01/20/10	JEM

DESCRIPTION: 26 SERIES PkZ®, SIZE 8 MICROWAVE CONTACTS FOR STANDARD DENSITY MULTIPORT RF D-SUB CONNECTORS

MECHANICAL

MATERIALS

BODIES:
PLUG BODIES - BRASS PER ASTM B 16.
RECEPTACLE BODIES - BRASS PER ASTM B 16.

PLATING:
GOLD PER MIL-G-45204.
COPPER PER MIL-C-14550.
NICKEL PER QQ-N-290.

INSULATORS - VIRGIN TEFLON (PTFE) PER ASTM D 1710 AND ASTM D 1457.
RETAINING RING - BERYLLIUM COPPER PER ASTM B 196.
MALE CONTACT - BERYLLIUM COPPER PER ASTM B 197.
FEMALE CONTACTS - BERYLLIUM COPPER PER ASTM B 197.
WEATHER SEAL GASKET (OPTIONAL) - SILICONE RUBBER PER ZZ-R-765.
EMI GASKET - BERYLLIUM COPPER ASTM B 196.

FINISHES (ADD LETTER TO END OF PART NUMBER)

"A" - .000050 MIN. GOLD OVER NICKEL
"B" - .000030 MIN. GOLD OVER NICKEL
"C" - .000050 MIN. GOLD OVER COPPER
"D" - .000030 MIN. GOLD OVER COPPER

MATING CHARACTERISTICS

OUTER BODIES	3 LBS MAX. INSERTION. 2 OZ. MIN. WITHDRAWAL.
CENTER CONTACTS	32 OZ. MAX. INSERTION. .5 OZ. MIN. WITHDRAWAL.
HOUSING RETENTION	12 LBS. MIN.
AXIAL MATING TOLERANCE	.090

ELECTRICALS

FREQUENCY RANGE: DC TO 32 GHz.
VOLTAGE RATING STRAIGHT: 1000 VRMS.
VOLTAGE RATING ANGLED: 800 VRMS.
CURRENT RATING: 5 AMPS.
INSULATION RESISTANCE: 2000 MEGOHMS MIN.
INSERTION LOSS: $.06\sqrt{f(GHz)}$ dB

CONTACT RESISTANCE: CENTER CONTACT 5 MILLIOHMS
CONTACT RESISTANCE: OUTER CONTACT 3 MILLIOHMS
VSWR: 1.08 + .009(f) GHz., RG-402 CABLE.
1.15 + .02 (F) GHz., RG-174 & RG-316 CABLES.
1.15 + .01 (f) GHz., RG-142, 223, 303 & 400 CABLES.

ENVIRONMENTAL

OPERATING TEMPERATURE: -65°C to +165°C
VIBRATION: MIL-STD-202, METHOD 204, TEST CONDITION D.
SHOCK: MIL-STD-202, METHOD 213, TEST CONDITION I.
SALT SPRAY: MIL-STD-1344, METHOD 1001, CONDITION B.
DURABILITY: 500 CYCLES.

THERMAL SHOCK: MIL-STD-202, METHOD 107, TEST CONDITION B, EXCEPT HIGH TEMPERATURE SHALL BE +85°C.
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106. NO MEASUREMENT AT HIGH HUMIDITY. INSULATION RESISTANCE 2000 MEGOHMS AFTER HUMIDITY.